

WHAT IS CLAIMED IS:

1. A communication apparatus, comprising:
wireless connection means for wirelessly
connecting to an external intelligent terminal; and
5 change means for changing a communication state
with said external intelligent terminal by said
wireless connection means into a state of a low
electric power consumption when a communication with
said external intelligent terminal is not performed for
10 a predetermined length of time or more.

2. The communication apparatus according to claim
1, wherein said change means changes the state of said
wireless connection means from the state of the low
15 electric power consumption to a connection state
capable of receiving a command data or an image data
between itself and said external intelligent terminal
when an image to be sent from said communication
apparatus to said external intelligent terminal is
20 available.

3. The communication apparatus according to claim
1, wherein the change by said change means is executed
by requesting for a change of said state from said
25 communication apparatus to said external intelligent
terminal.

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1, wherein the connection state capable of transmitting
and receiving a data with said communication apparatus
is an active mode of the Bluetooth standard, and said
state of the low electric power consumption is a low
5 electric power consumption mode of the Bluetooth
Standard.

9. An intelligent terminal, comprising:

wireless connection means wirelessly connected to
10 the communication apparatus capable of performing a
communication through a public network; and

change means for changing the communication state
with said communication apparatus by said wireless
connection means into a state of the low electric power
15 consumption when the communication with said
communication apparatus is not performed for a
predetermined length of time or more.

10. The intelligent terminal according to claim
20 9, wherein said change means changes the state of said
wireless connection means from said low electric power
consumption to the connection state capable of
transmitting and receiving the command data or the
image data between itself and the said communication
25 apparatus based on the request from said communication
apparatus when there is available an image data to be
sent from said communication apparatus to said

intelligent terminal.

11. A control method of the communication apparatus, comprising:

5 a wireless communication step of performing the wireless communication with said external intelligent terminal by using the wireless connection means wirelessly connected to the external intelligent terminal; and

10 a change step of changing the communication state with said external intelligent terminal by said wireless connection means into the state of the low electric power consumption when the communication with said external intelligent terminal is not performed for
15 a predetermined length of time or more in the said wireless communication step.

12. A control method of the intelligent terminal, comprising:

20 a wireless communication step of performing the wireless communication with said communication apparatus by using the wireless connection means wirelessly connected to the communication apparatus capable of performing a communication through a public
25 network; and

 a change step of changing the communication state with said communication apparatus by said wireless

connection means into the state of the low electric power consumption when the communication with said communication apparatus is not performed for a predetermined length of time or more in the said
5 wireless communication step.

13. A storage medium for storing a program for controlling the communication apparatus,

wherein said program comprises;

10 a wireless communication step of performing the wireless communication with said external intelligent terminal by using the wireless connection means wirelessly connected to the external intelligent terminal; and

15 a change step of changing the communication state with said external intelligent terminal by said wireless connection means into the state of the low electric power consumption when the communication with said external intelligent terminal is not performed for
20 a predetermined length of time or more in said wireless communication step.

14. A storage medium for storing a program for controlling the intelligent terminal,

25 wherein said program comprises;

a wireless communication step of performing the wireless communication with said communication

apparatus by using the wireless connection means wirelessly connected to the communication apparatus capable of performing a communication through a public network; and

- 5 a change step of changing the communication state with said communication apparatus by said wireless connection means into the state of the low electric power consumption when the communication with said communication apparatus is not performed for a
- 10 predetermined length of time or more in said wireless communication step.